

Gelman, N. E. and Korshun, M. O.
NOUVELLE METHODE DE MICRODOSAGE SIMUL-
TANÉ DU FLUOR, DE L'HYDROGÈNE ET DU CAR-
BONE DANS LES COMPOSÉS ORGANIQUES (A New
Method for the Simultaneous Micro-Determination
of Fluorine Hydrogen and Carbon in Organic Com-
pounds). 3p. 4refs. CNRS-VIII bis 177.
Order from OTS, ETC or CNRS \$1.10 TT-62-26651

Trans. in French of Akademiya Nauk SSSR, Doklady,
1953, v. 8, no. 4, p. 685-687.
Another trans. is available in English from ATS as
RJ-138.

DESCRIPTORS: Organic compounds, *Microanaly-
sis, *Hydrogen, *Carbon, *Fluorine, Magnesium
compounds, Oxides, Absorption.

(Chemistry--Analytical, TT, v. 11, no. 11)

TT-62-26651

- I. Gel'man, N. E.
- II. Korshun, M. O.
- III. CNRS-VIII bis 177
- IV. Centre National de la
Recherche Scientifique,
Paris
- V. ATS-AJ-138

Office of Technical Services
European Translations Centre

Microdetermination of Carbon and Hydrogen in
Organic Compounds by Electrical Conductivity
Measurements, by N. E. Gel'man,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX,
No 5, 1959, pp 1046-1048.

AT3 RJ-2104

Sci - Chem

May 60

115,397

Micro and Semimicro Determination of Nitrogen by
Hydrogenation of Organic Materials, by N. E.
Gelman and M. O. Korshun, 8 pp.

RUSSIAN, per, Zhur Anal Khim, Vol. XXII, No 1, 1957,
pp 128-133.

Consultants Bureau

Sci - Chem

Aug 58

71,786

Rapid Methods of Microelemental Analysis, Communication
15. The Simultaneous Micro Determination of Carbon,
Hydrogen, and Halogens in Organic Compounds, by M. O.
Korshun, N. E. Gel'man, and N. S. Shveleva, 8 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XIII, No 6,
1958, pp 695-701,

Consultants Bureau

Sci

107 387

Feb 60

Apparatus for the Direct Microdetermination of Oxygen,
by M. O. Korshun and N. B. Gal'man.

Full translation.

RUSSIAN, per, Zhivod Lab, Vol XII, USSR, 1946, pp 500-502.

AEC Tr 1282

Scientific - Chemistry

Jun 52 CTS

DEX

Avail in CSI

A-3043

Rapid Methods of Microelemental Analysis. Communi-
cation 17. Simultaneous Microdetermination of Car-
bon, Hydrogen, Mercury, and Halogen on One Aliquot
of Organic Material, by H. O. Korshun, N. S.
Sheveleva, N. E. Gel'man, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 1, 1960,
pp 99-103.

CB

163, 917

Soi
Aug 61

Gel'man, N.L.
FABRICACION DE APARATOS PARA MEDIR LAS
DISTANCIAS ENTRE LOS CONDUCTORES EN LOS
LUGARES DE CRUCE DE LAS LINEAS AEREAS
(Prostoi Pribor dlya Izmereniya Rasstoyaniya Mezhu
du Provolami v Mestakh Peresechennii Vozdushnykh
Linii) (Manufacture of Apparatus for the Measure-
ment of Conductor-to-Conductor Distances in Aerial
Line Crossings). 6p. CID:63-392.
Order from OTS, ETC or CIDS1.10 TT-63-26792

Trans. in Spanish of Energetik (USSR) 1956, v.4,
no.10, p.27-28.

DESCRIPTORS: Electrical properties, Measure-
ment, Meters, *Transmission lines.

(Engineering--Electrical, TT, v. 11, no. 11)

TT-63-26792

- I. Gel'man, N.L.
- II. CID 63-392
- III. Centro de Información
y Documentación,
Madrid

Office of Technical Services
European Translations Centre

Sol
Apr 62

198,338

ISI

The Application of Conductometry to the Direct Micro-
determination of Oxygen in Organic Compounds; by N. Ye.
Gel'man, Wang Yen-yun, I. I. Bryushkova; 4 pp.
RUSSIAN, per. Zaved Lab, Vol XXVII, No 1, 1961.
pp. 24 - 27

Analysis of Fluoroorganic Compounds, ~~Microdetermination~~
Microdetermination of Fluorine, Carbon, and Hy-
drogen in Low-Boiling and Gaseous Compounds, by
E. Ye. Gel'man, M. O. Korshun, K. I. Novosheilova,
7 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 5, 1960,
pp 623-634.

CB

164,090

Sci.
Aug 61

Conductometric Microdetermination of Carbon and
Hydrogen in Organic Compounds, by N. Ye.
Gel'man, Wang Wen-Yun, 7 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 4, 1960,
pp 487-494.

164,240^{CB}

Sol
Aug 61

III. Mixed Oxalate-Carbonate Compounds of
Plutonium (IV), by A. D. Gel'man, et al.

RUSSIAN, per, Zhur Neorgan Khim, No 7, 1958,
pp 1555-1564. *CI A 9049546*

Infosearch Ltd.

Sci - Chem
Sep 59

96,424

Simultaneous Microdetermination of Fluorine, Carbon,
and Hydrogen in Elemento-organic Compounds, by M. O.
Korshun, N. E. Gelman, K. I. Glazova, 2 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CXI,
No 6, Nov/Dec 1956, pp 1255-1256.

Consultants Bureau

Sci - Chem

56,710

Dec 57

Analysis of Organofluorine Compounds
Simultaneous Microdetermination of Fluorine and
Nitrogen in Organic Compounds, by N. E. Gel'man,
M. O. Korahun, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIII, No 3,
1958, pp 468-470.

SLA 60-10908

Sci

OTS, Vol III, No 6

Sep 60

126,860

Rapid Methods of Microelemental Analysis. Part
14. Microdetermination of Carbon and Hydrogen
in Organofluorine Compounds, by N. E. Gelman,
M. G. Korshun, and N. S. Sheveleva, 8 pp.

RUSSIAN; per, Zhur ^{ANAL} ~~ANAL~~ Khim, Vol. ^{XII} ~~XII~~, No ⁴ ~~4~~,
1957, pp 526-533.

Consultants Bureau

Sci - Chem
Aug 58

6 1, 6 21

Quantitative Analysis of Heteroorganic Compounds,
Microdetermination of Phosphorus.

By N. E. Gol'man, T. M. Shanina pp. 6

RUSSIAN, per, Zhur Anal Khim, Vol XVII, No 8, 1962,
pp. 998-1004

CB

Sci

344,540

Sep 63

A New Method of Simultaneous Microdetermination of
Fluorine, Hydrogen and Carbon in Organic Compounds,
by N. E. Gell'man, M. O. Korshun, 3 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXXIX,
No 4, 1953, pp 635-637.

Sci Mus Lib No 54/0062

Scientific - Chemistry
CTS/DEX

11,355

Gel'man, N. E., and Ven-Yun, V.
CONDUCTOMETRIC MICRODETERMINATION OF
CARBON AND HYDROGEN IN ORGANIC COM-
POUNDS. [1960] 9p.
Order from ATS \$11.85 ATS-32M45R

Trans. of *Zhur[nal] Anal[iticheskoy] Khim[i] (USSR)
1960, v. 15, no. 4, p. 487-494.

(Chemistry--Analytical, TT, v. 5, no. 6)

61-12356

1. Carbon--Determination
2. Hydrogen--Determination
3. Organic compounds--
 Chemical analysis
1. Gel'man, N. E.
- II. Ven-Yun, V.
- III. ATS-32M45R
- IV. Associated Technical
 Services, Inc.,
 East Orange, N. J.

Office of Technical Services

61-10197

Gel'man, N. E., Korshun, M. O. and others.
THE MICRO-DETERMINATION OF CARBON AND
HYDROGEN IN ORGANIC COMPOUNDS BY MEAS-
UREMENT OF ELECTROCONDUCTIVITY. [1960]
[7]p. 23 refs.
Order from LC or SLA ml\$1.80, ph\$1.80 61-10197

Trans of Akad[emiya] Nauk SSSR. Doklady, 1959,
v. 129 [no. 5] p. 1046-1048.
Another translation is available from ATS \$6.50 as
ATS-14M38R [1960] 4p.

A weighed sample (about 1 mg) of organic substance is
subjected to rapid pyrolytic combustion in a stream of
O₂ moving at 30 to 35 ml/minute. The water obtained
is frozen with a dry ice-acetone mixture and the re-
maining CO₂ is passed into a conductivity cell contain-
ing the absorbent solution. The trap with the frozen-out
water is then placed in an apparatus for determining O,
the water is evaporated on to a contact layer of carbon
black, the CO obtained is oxidized on CuO to CO₂, and
this is also passed into a conductivity cell. (Author)
(Chemistry--Analytical, TT, v. 5, no. 3)

1. Organic compounds--
Microvolumetric analysis
2. Carbon--Determination
3. Hydrogen--Determination
- I. Gel'man, N. E.
- II. Korshun, M. O.

Office of Technical Services

Analysis of Fluoreorganic Compounds. Simultaneous
Microdetermination of Fluorine, Carbon, and Hy-
drogen, by N. Ye. Gel'man, M. O. Korshun, K. I.
Novozhilova, 6 pp.

RUSSIAN.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 3, 1960,
pp 342-348.

GB

164,268

Sci

Aug 61

The Role of the Garrison Hospital in Increasing
the Level of Clinical Training of Armed Forces
Physicians, by N. M. Gel'man

RUSSIAN med par, Voenno Med Zhur, No 1,
Moscow, Jan 1958, pp 68-70

US JPRS/NY 406

Sci - Medicine
May 58

63,302

S-122/61

(NY ~~EE~~ 6027).

Oxidative - Reducing Enzymes of the Cytoplasmic
Membrane of Micrococcus lysodeikticus, by N. S.
Gel'man, I. G. Chukova, M. A. Lukoyanova, 2 pp.

RUSSIAN, bk, I Konferentsiya po Voprosam Tsito- i
Gistokhimii. Doklady, Dekabrya 1960 goda, 1960,
pp 40-41.

*JPRS 9186

Sci - Med

9 Mar 61

Structure of Cytoplasmic Membranes of Micrococcus
lysodeikticus With Reference to Succinic Oxidase and
Succinic Dehydrogenase Activity, by M. A. Lykoyanova,
N. S. Gel'man, 10 pp.

RUSSIAN, per, Biokhim, Vol XXVI, No 5, 1961,
pp 916-925.

CB

Sci

204,294

Jul 62

The Cytochrome System in the Cytoplasmic Mem-
branes of *Micrococcus Lysodeikticus*, by N. S.

Gel'man, M. A. Lukoyanova, A. I. Oparin, ~~215 pp~~
4 pp.

RUSSIAN, per, Biokhim, Vol XXV, No 3, 1960,

pp ~~360-369~~

482 - 487.

CB

Sci-

Feb 61

140, 747

The Action of a Surface Active Substance on
the Enzyme System Which Oxidizes Malic Acid in
Cytoplasmic Membranes of Micrococcus lysodeikticus,
by N. S. Gel'man, I. G. Zhukova, A. I. Oparin,
4 pp .

RUSSIAN, per, Biokhimiya, Vol XXIV, No 6, 1959,
pp 1074-1078.

Consultants Bureau

Sci

Jul 60

120,351

The Preparation of Dehydrogenases of L-Malic Acid
and the Reduced Form of Diphosphopyridinedinucleotide
From the Cytoplasmic Membrane of Micrococcus
Lysodeikticus, by N. S. Gel'man, I. G. Zhukova, et al,
5 pp.

RUSSIAN, per, Biokhimiya, Vol XXVIII, No 1, 1963, pp 122-127.

CB

Sci
Jun 64

261,350

Oxidation of L-Malic Acid and of Reduced
Diphosphopyridine Nucleotide in the Cytoplasmic
Membrane of Micrococcus lysodeikticus, by N. S.
Gel'man, I. G. Zhukova, A. I. Oparin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII, No 5,
1960, pp 1209-1212.

"AIBS

Sci

Apr 61

153, 075

Determination of Oxygen Concentration of Biological
Fluids by a Polarographic Method Using Stationary
Solid Electrodes, by D. N. Ostrovskiy and N. S.
Gel'man. P 5

RUSSIAN, per, Biokhim, Vol XXVII, No 3, 1962,
pp 532 - 537

CB

340,363

Sci

Jul 63

S-5234

(DC-2909).

The Connection Between the Biochemical Processes
and the Structural Elements of a Bacterial Cell,
by N. S. Gel'man, 23 pp.

RUSSIAN, per, Uspekhi Sovrem Biol, Vol XLVII, No 2,
1959, pp 152-167.

JPRS-L-1873-D

Sci + Biol
Sep 59

97,193

Discovery of Invertase in *Saccharomyces Globosus*
249 With the Aid of Ultrasonic Waves, by A. I.
Oparin, N. S. Gel'man, & I. F. El'piner.

RUSSIAN, *Izv. Ak. Nauk SSSR*, Vol XCVII, No 2,
Jul 1954, pp 293-295. CIA 9018813

USDA

Sci - Med

May 58

64,361

Incorporation of Labeled Glycine and Increase in Protein Nitrogen Content as Functions of Structure of Bacterial Protoplasts, by A. I. Oparin, N. S. Gelman, I. G. Zhukova, 4 pp.

RUSSIAN, bio per, Biokhim, Vol XXII, No 1, 2, Jan-Apr 1957, pp 399-405.

Consultants Bureau

Sci - Chemistry
Apr 58

61,691

Effect of Desoxyribonuclease on Oxidation of
Malic Acid by Micrococcus Lysodeikticus Lysates,
by N. S. Gellman, I. G. Zhukova, A. I. Oparin,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 1,
1959, pp 198, 199.

Amer Inst of Biol Sci

Sci

Jan 60

105 622

(FDD 27763)

Influence^e of Change in the Structure of Bacterial
Protoplasts on Respiration and Inclusion of Labeled
Glycine, by A. I. Oparin, N. S. Gel'man, I. G. Zhukov,
8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CV,
No 5, Moscow, 1955, pp 1036-1039.

CIA/FDD U-8642

✓
USSR

38,996

Sci - Chemistry, Biochemical; Biology

Aug 56 CTS/DEX

Effect of Deoxycholate on Oxidation of Reduced
Diphosphopyridine Nucleotide, L-Malic Acid,
and L-lactic Acid in Cytoplasmic Membrane of
Micrococcus lysodeikticus, by H. S.
Gel'man, I. G. Zhukova, A. I. Oparin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXV,
No 1, 1960, pp 200-203.

AIES

Sci

167,372

Jul. 61

Analysis of Fluoroorganic Compounds. The Use of
Pyrohydrolysis for the Simultaneous Microdetermi-
nation of Fluorine, Carbon, and Hydrogen, by N. Ye.
Gel'man, M. O. Korshun, K. I. Novozhilova, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XV, No 2, 1960,
pp 222-225.

Sci
Aug 61

CB

163,422

Calculation of the Effects of a Loosely-Fitted
Plate in a Phototheodolite Survey, by
R. N. Gel'man, 3 pp.

RUSSIAN, per, Geodez i Kartog, No 1, 1959,
pp 31-35.

AGU

Sci

Jul 61

167,441

Practical Experience with the Vertical and Horizontal
Control of Aerial Photographs, 4 pp, by A. N. Gel'man

RUSSIAN, per, Geodes i Kartog, No 4, 1961,
pp 37-45.

AGU

Sci

Mar 62

186,093

Rapid Running-In Schedules for Glass Furnaces,
by V. A. Gel'man, 5 pp

RUSSIAN, per, Steklo i Keramika, Vol XVII,
No 9, 1960, pp 10-14.

CB

Sci

Aug 62

209,809

Complex KPN-56 Apparatus for Making Metal Tooth
Crowns, by V.B. Gel'man

RUSSIAN mo per, Voenno Med Zhur, No 4, Moscow,
April 1958, pp 88-89

US JPRS/NY -599

Sci - Engr
Aug 58

69, 636

Resources for Intensifying Labor, by V. M.
Gol'dman, 9 pp.

UKRAINIAN, per, Mekhanizatsiya Sili'skogo
Gospodarstva, No 10, Oct 1964, pp 17-18.
JPRS 20250

p 5

USSR
Econ
Mar 65

275,571

Hydrothermodynamic Waves in a Weakly
Inhomogeneous Plasma, by L. E. Gurevich,
B. L. Gelf'fond, -- pp.
RUSSIAN, per, Zhur Shaperi i Teoret Fiz,
Vol XLVI, No 3, 1964, pp 884-889.

Amer Inst of Phys
Soviet Phys - JETP
Vol XIX, No 3

Sci
Oct 64

267,704

Introducing New Visual and Auditory Aids, by
A. Gelmont, 3 p.

RUSSIAN, per, Narodnoye Obrazovaniye, No 9, 1959,
pp 72-74.

Internatl Arts
and Sci Press
Soviet Education
Vol II, No 2

USSR - Soc
Apr 60

111, 730

Piezoelectric Filters for Lower Frequencies by
Means of Unbalanced Circuits, by Z. Ya. Gelmont.

RUSSIAN, par, Elektrosvyaz, No 6, 1958, pp 67-74.

Pergamon Press

Sci,

Mar 60

111,531

Piezoelectric Filters Containing Induction
Coils with Preset Coupling Coefficient, by
Z. Ya. Gal'mont.

RUSSIAN, per, Elektrosvyaz, No 12, 1958,
pp 58-64.

Pergamon Press

Sci

Mar 60

111, 394

How to Determine the Composition and
Viscosity of Bitumen and Tar by Nomograms,
by V. O. Gel'mer. USSR

RUSSIAN, per, Avtom Dorogi, Vol XXI, No 7,
1958, pp 22-24.

DSIR LEO RTS 1189

(Ts. 6a.)

Sci - Min/Ket
Nov 59

100,760

Narrowband Ladder Piezoelectric Filters, by
Ye. I. Velikin, Z. Ya. Gel'mont, et al, 9 pp.

RUSSIAN, per, Radiotekh, Vol XVI, No 11, 1961.

AIEE

Sci
13 Jul 62

202,526

Piezoelectric Filter for High Frequencies,
by Ya. I. Velikhin, Z. Ya. Gel'mont, E. V.
Zelyakh, 12 pp. (AF 676553)

RUSSIAN, bino per, Radiotekhnika, Vol X,
No 3, Mar 1955, pp 41-49.

ARTIC F-TS-8592/V

Sci - Electronics
Feb 1957 CTS/dex

44, 406

(NY-5204)

Crystal Barrier Filter With Several Rejection
Bands, by Z. Ya. Gel'mont, 9 pp.

RUSSIAN, per, Vestnik Svyazi, No 3, 1956.

JPRS 7070

Sci

Apr 61

145,078

(IX-5072)

A Four-Electrode Piezoelectric Resonator for the
Frequency Range 250-600 kc, by Z. Ya. Gel'mont,
5 pp.

RUSSIAN, par, Vestnik Svyazi, No 3, 1958.

JPRS 5917

Sci

Dec 60

135,942

Activity of the Enzymes of the Di- and
Tricarboxylic Acid Cycle as a Function of
the Protoplast Structure of Micrococcus
lysodeikticus, by A. I. Oparin, N. S.
Gel'man, I. G. Zhukova, M. A. Lukyanova,
8 pp.

RUSSIAN, per, Biokhim, Vol XXIII, No 6, 1958,
pp 909-916.

Consultants Bureau

Sci - Biol, Chem
Jul 59

91, 293

Gelo, J., Wasiak, B., Winczakiewicz, A.

A Comparative DP-Determination of Chemical Pulps on the
Basis of Viscosity Measurements in Different Solvents.

POLISH, per, Przegląd Papierniczy, No. 11-12. 1959.
7 pp. Communiqué No. 123.

*PL 480
OTS 61-11379

1961

(NY-5339)

Certain Indices of the Organization of Out-Patient Poly-Clinical Service for Patients With Cardiovascular Diseases, by L. Ye. Gelovchinsr, 8 pp.

RUSSIAN, per, Sovetskoye Zdravookhraneniye, Vol XIX, No 8, 1960, pp 18-21.

JPRS 7253

Sci - Med

Jan 61

135,965

Gel'perin, B.B.
METODO DE CALCULO DE LAS BOBINAS DE SATURACION (Metod Rascheta Drosseli Nasyscheniya) (Calculation Method for Saturation Electric Coils).
14p. CID:63-390.
Order from OTS, ETC or CID \$1.60 TT-63-26790

Trans. in Spanish of Elektrichestvo (USSR) 1958, no.5, p.47-50.

DESCRIPTORS: *Coils.

(Engineering--Electrical, TT, v. 11, no. 11)

TT-63-26790

- I. Gel'perin, B.B.
- II. CID 63-390
- III. Centro de Información y Documentación, Madrid

Office of Technical Services
European Translations Centre

Methods of Adjusting Betatrons for Maximum
Intensity, by B. B. Gel'perin, V. D. Gusekov, -
Kh. L. Luban, 4 pp.

^{to al,}
RUSSIAN, per, Pribery i Tekh Eksper, No 4, 1960,
pp 13-16.

ISA

155, 174

Sci

May 61

Basic Equations of Heat and Material Flow in the Conversion of Carbon Monoxide to Hydrogen and Carbon Dioxide by Reaction with Water, by I. I. Galperin, S. P. Chelobova, Z. V. Moreva, 11 p.

RUSSIAN, per, Zhur Khim Prom, Vol XVII, No 9, 1940, pp 20-24.

SLA R-2965

Sci

Jul 59

92,591

The Determination of Heat Transfer Surface for the
Case of Zero Temperature Difference Between
Cooled and Coolant Fluids at the End Point of Flow,
by I.I. Gelperin, K.S. Minsker, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVII, No 9, 1957,
pp 2143-2148.

Amer Inst of Phys
Sov Phys-Tech Phys
Vol II, No 9

Sci-Phys
Jun 58

65, 240

Depth Facies and Genetic Phases of the Granitoid
Complex of the Anyuy Zone, by M. L. Gellman, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CXLIX, No 1-6, Mar, Apr 1963.

Amer Geol Inst

Sci
Jul 65

I. N. GELPERIN

Improved Method for the Production of Zanthates.
Communication No 4. Continuous Method of Preparing
Zanthates from Isobutyl, Butyl SK and Isopropyl
Alcohols, by I. N. Galperin, et al.

RUSSIAN, per. Gosudarstvennyi Nauchno-Issledovatel-
skii Institut Tekhnologii Metallurgii. Sbornik
Nauchnykh Trudov, No 19, 1962, pp 255-262.
NTC 71-14322-07A

Feb 72

GELPERIN, N. B.

Formation of Hot Tears in Steel Castings.

VESTNIK MASHINOSTROENIYA, vol 27, 1947, No 2,
pp 23-30; 1350 words.

Brutcher No 2271, \$ 2.40

A 3052

Gel'perin, N. L., Pebalk, V. L., and Chicherina,
T. G.

INVESTIGATION OF A PULSATING PACKED EXTRACT-
TION COLUMN. July 63, Sp. 23 refs.
Order from ICE is v. 3, no. 3, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1963, no. 2 [p. 111-115].

DESCRIPTORS: Chemical engineering, *Towers
(Chemistry), Separation, *Mass transfer.

63-17885

- I. Gel'perin, N. L.
- II. Pebalk, V. L.
- III. Chicherina, T. G.
- IV. International Chemical
Engineering, New York

1247236

(Engineering--Chemical, TT, v. 10, no. 7)

Office of Technical Services

Gel'perin, N. I. and Krokhin, N. G.
FLOW OF VISCOUS LIQUIDS FROM SMALL
SPINNING HOLES (SPINNERET). [21 May 63] [20]p.
14 refs.
Order from OTS or SLA \$1.60

63-18280

Trans. of Khim[icheskie] Volokna (USSR) 1961, no. 2,
p. 40-46.

DESCRIPTORS: Textile industry, *Viscose, *Cellulose
acetates, Liquids, Solutions, *Fibers (Synthetic),
Fluid flow, Water, Minerals.

The behavior of viscose and cellulose acetate solutions
used for producing synthetic fibers, which are spun by
the flow of these solutions through spinnerets, was
investigated. In order to compare the experimental
data, the flow of water and mineral oil through the
same spinneret was also investigated.
(Materials--Textiles, TT, v. 10, no. 11)

63-18280

I. Title: Spinneret
I. Gel'perin, N. I.
II. Krokhin, N. G.

Office of T

Extraction Purification of Nickel Solutions From
Iron and Copper, by N.I. Gel'perin, V.L. Pebalk,
et al, 5 pp.

RUSSIAN, per, Plavetnye Metally, Vol IV, No 2,
1963, pp 37-41.

PS

Sci
Jun 64

261, 363

Gel'perin, N. I. and Kvasha, V. B.
MAINTAINING OPTIMUM TEMPERATURE CONDI-
TIONS IN CHEMICAL REACTORS. Oct 61, 6p.
5 refs.

Order from ICE in v. 1, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 1, p. 51-56.

DESCRIPTORS: *Towers (Chemistry), Rectifiers,
Distilling plants, *Heat exchangers, Temperature.

62-22198

- I. Gel'perin, N. I.
- II. Kvasha, V. B.
- III. International Chemical
Engineering, New York

C223255

(Engineering--Chemical, TT, v. 8, no. 8)

Office of Technical Services

Gelperin, N. E., Matveev, E. G. and others.
ABSORPTION OF SO₂ AND CS₂ BY SOME HYDRO-
CARBONS OF THE DIPHENYLMETHANE SERIES.
[1961] 8p. (2 diagrs. omitted) 5 refs. [DSIR LLU]
M. 2740.

Order from OTS or SLA \$1.10

61-23328

Unedited trans. of #Zh[urnal] Prikl[adnoi] Khim[ii]
(USSR) 1958, v. 31 [no. 9] p. 1323-1332.

DESCRIPTORS: *Hydrocarbons, *Carbon compounds,
Sulfides, Sulfur compounds, Dioxides, Absorption,
*Diphenylmethanes.

(Chemistry--Physical, TT, v. 6, no. 9)

61-23328

- I. Gelperin, N. E.
- II. Matveev, E. G.
- III. DSIR LLU M. 2740

Office of Technical Services

Design Calculations and Modeling of Chemical
Reactors for Exothermic Processes
By N. I. Gal'perin and V. B. Kvasha, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXV, No 6,
1962, pp. 1728-1732

GB

Sci

Jun 63

342,588

62-34294

Gel'perin, N. I. and Asmus, M. G.
MASS TRANSFER IN INJECTOR EXTRACTION
COLUMNS. Jan 62, 4p. 1 ref.
Order from ICE in v. 2, no. 1, \$15.00/year

Trans. of Khim[icheskaya] Prom[yshlennost'] (USSR)
1961, no. 5, p. 348ff.

DESCRIPTORS: *Mass transfer, *Injectors, Towers
(Chemistry), Xylenes, Acetic acids, Ethers, Water.
*Chemical engineering.

I. Gel'perin, N. I.
II. Asmus, M. G.
III. International Chemical
Engineering, New York

C226453

(Engineering--Chemical, TT, v. 8, no. 10)

Office of Technical Services

Removal of Impurities from Phenylethyl Alcohol by
Extraction with Double Solvents in an Injector
Column, by E. N. Kiseleva, N. I. Gel'perin,
V. A. Shestakova, 5 pp.

RUSSIAN, per, Zhur Prii Khim, XXXIV, No 1, 1961,
pp 167-172.

CB

Sci

183,806

Mar 62

Gelperin, N. I. and Krokhin, N. G.
DETERMINATION OF THE RESISTANT COEFFICIENTS
IN THE MOVEMENT OF VISCOSE AND ACETYL
CELLULOSE SOLUTIONS, May 62 [10]p. 5 refs.
Order from OTS or SLA \$1.10 62-20027

Trans. of Khim[icheskie] Volokna (USSR) 1961, no. 4,
p. 37-41.

DESCRIPTORS: *Fibers (Synthetic), Solutions,
*Cellulose, *Acetyl radicals, *Viscose, Motion,
Resistance, Numerical analysis.

(Engineering--Chemical, TT, v. 9, no. 10)

62-20027

I. Gelperin, N. I.
II. Krokhin, N. G.

62-20027

Office of Technical Services

Gel'perin, N. L., Ainshtein, V. G., and
Aronovich, F. D.

THE EFFECT OF SCREENING ON HEAT TRANSFER
IN A FLUIDIZED BED. Apr 63, 6p. 8 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Khimicheskoe Mashinostroenie (USSR) 1962
[v. 5] no. 5, p. 13ff.

DESCRIPTORS: Chemical engineering, *Heat transfer,
Shielding, *Fluidized solids, Heat exchangers, Colls,
Pipes.

(Physics--Thermodynamics, TT, v. 10, no. 3)

63-17504

1. Title: Screening
- I. Gel'perin, N. L.
- II. Ainshtein, V. G.
- III. Aronovich, F. E.
- IV. International Chemical
Engineering, New York

Office of Technical Services

63-17519

Gel'perin, N. I. and Ainshteln, V. G.
THERMAL CALCULATION OF A PNEUMATIC CON-
VEYOR IN A FLUIDIZED BED. Apr 63, 5p. 6 refs.
Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Khimicheskaya Promyshlennost' (USSR) 1962,
no. 10 [p. 753-756].

DESCRIPTORS: Chemical engineering, *Conveyors,
*Pneumatic devices, *Fluidized solids, Heat transfer,
Pyrites.

(Physics--Thermodynamics, TT, v. 10, no. 3)

I. Gel'perin, N. I.
II. Ainshteln, V. G.
III. International Chemical
Engineering, New York

Office of Technical Services

Liquid-Vapour Equilibrium for Thymol Ether Salicylates
and Mentholmenthone Mixtures at Reduced Pressures, by
N. I. Gel'perin, N. N. Zelenetskiy, 32pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 10,
1960, pp 2230-2234.

Cleaver-Hume Press

Sci

Aug 61

164,171

Extraction From Solutions by Condensing Solvent
Vapors, by N. I. Gel'perin, N. G. Krokhin, E.
N. Kiseleva, 10 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXI, No 7,
pp 1026-29 1035.

Consultants ~~MDX~~ Bureau

Sci - Chem
Aug 59

93, 820

Investigation of the Process of Fractional Distillation in a Filled Column Under Reduced Pressure, by H. I. Gal'perin, N. N. Zelenetskiy, 5 pp.

RUSSIAN, per, Zhur Prii Khim, Vol XXXII, No 9, 1959, pp 2001-2004.

CB

Sci

Aug 60

124,255

Gel'perin, N. I., Artem'yev, V. I. and others.
CONTINUOUS NITRATION IN THE PRODUCTION OF
MUSK AMBRETTE. [1960] 7p.
Order from ATS \$13.50

ATS-72M46R

Trans. of Vsesoyuznoye Khim[icheskoye] Obshchestvo.
Zhurnal (USSR) 1960, v. 5, no. 4, p. 438-442.

(Chemistry--Organic, TT, v. 5, no. 7)

61-12297

1. Perfumes--Production
2. Musk ambrette--Synthesis
- I. Gel'perin, N. I.
- II. Artem'yev, V. I.
- III. ATS-72M46R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Mechanical Carry-Over of Liquid by Vapour in
Evaporator, by N. I. Gel'perin, V. B. Kogan.

RUSSIAN, per, Khim Prom, No 2, 1958, p 96.

CSIRO

Sci - Chem

Jun 61

156, 938

✓
Effect of State of Aggregation of Initial
Mixtures on the Operation of Continuous
Rectification Apparatuses, by N. I. Gelperin,
7 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVII, No 12,
Dec 1954, pp 1244-1251. CIA C 42155.

Consultants Bureau

Sci - Chemistry

35,227

Jun 1956/Dex

Effect of the Geometrical Parameters of the
Sorbent layer on Sorptional Purification of
Molten Sugar, by N. I. Gel'perin, A. I. Altykin,
4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 3,
1959, pp 599-602.

Consultants Bureau

Sci

May 60

118,204

Absorption of SO_2 and CS_2 by Certain Hydrocarbons of
the Diphenylmethane Series, by N. I. Gel'perin, I. G.
Matveev, K. V. Vil'shan, 9 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXI, No 9, 1958,
pp 1323-1331.

Consultants Bureau

Sci - Chem

Sept 59

97,575-

A Continuous Process for the Saponification of
Boric Esters of the Higher Fatty Alcohols With
Simultaneous Extraction and Regeneration of the
Boric Acid, by N. I. Gol'perin, K. N. Solopenkov.
USSR.

RUSSIAN, per, Khim Nauk i Prom, Vol I, No 3,
1956, pp 324-331.

DSIR LLU RTS 1036

20a. 08.

94, 832

Sci - Chem
Aug 59

Hydrocarbons of the Diphenylmethane Series as High-Temperature Heat-Transfer Media⁵, and Their Physicochemical Properties, by I. G. Matveyev, N. I. Gel'perin, K. V. Vil'shau, R. L. Globus, 6 pp.

RUSSIAN, Izv. Akad. Nauk SSSR, Ser. Khim., No 6, 1958, pp 868-873.

Consultants Bureau

Sci - Chem

Jun 59

89,649

A Study of the Fractionating Effect of Porcelain-
Ring Laboratory Columns, by N. I. Gelperin,
K. V. Vilshau, 8 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVIII,
No 3, USSR, Mar 1955, pp ~~252-257~~. CIA D 270075
254-261.

Consultants Bureau

Scientific - Chemistry
CTS 71/Aug 1955

26,099

Separation of Binary Azeotropic Mixtures by a
Method of Step-Wise Rectification at Two
Different Pressures, by N. I. Gelperin, K. E.
Novikova, § 6 pp.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXVI, No 9,
USSR, Sep 1953, pp 912-920.

CIA C 36693

DIR D-151323

Consultants Bureau

Scientific - Chemistry

Dec 54 CTS

19; 706

Investigation of Fractionating Ability of Horizontal
Rotary Apparatus, by N. I. Gel'perin, V. L. Pebalk,

RUSSIAN, per, Zhur Prik Khim, Vol XXVI, No 4, 1955,
pp 368-381,

Assoc Tech Sv RJ-128

Scientific - Engineering
CTS/DEX

10,932

Investigation of the Process of Rectification of
Binary Mixtures in a Vertical Rotary Column, by
E. I. Gelperin, N. S. Matsenko, 6 pp.

Full translation.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXV, No 6, ¹⁹⁵²~~1951~~
pp. 610-615.

7977

Consultants Bureau

Scientific - Chemistry

Doc 53 073/DEX

Chlorination of Ethyl Alcohol, by N. I. Gelperin,
and Sh. A. Karapetyan, 11 pp.

RUSSIAN, no per., Zhur Prii Khim, Vol XXV, No 4,
Apr 1952, pp 398-409.

Consultants Bureau

7423

Scientific - Chemistry

Dec 53 CTS

Hydrodynamic Features of Fluidization of
Granular Materials in Conical Apparatus, by
M. I. Galperin.
RUSSIAN, per, Khim. Mash., No 4, 1961, pp 12-15.

AEC

Sci
Mar 64

NLL Reg: 7030.07 1704 (6477)
(2004 2011)

REC (UCRL-Trans-1486(Pt.2)) INCORPORATION EXPERI-
MENTS IN SYNTHETIC MULLITE AND SUBSTITUTION EXPERI-
MENTS WITH GALLIUM OXIDE AND GERMANIUM DIOXIDE.
Gelsdorf, Guenter; Miller-Hesse, Herman; Schwiete, Hans-Ernst.
Translated for Univ. of California Lawrence Berkeley Lab.,
Berkeley, from Arch. Eisenhüttenw., 29: 513-19(1958). 2012p.
Dep. NTIS.

chemistry (inorganic); translations 2707B

28MN-4 29P NSA